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CATALOGUE

— OF —

FERNS OF NORTH AMERICA

— IN —

Lorenzo G. Yates' Collection,

SANTA BARBARA, CAL.

Being a full list of all the known species found in the
United States and British America.

Santa Barbara, Cal.
1886.



CATALOGUE

{— OF —}

FERNS OF NORTH AMERICA

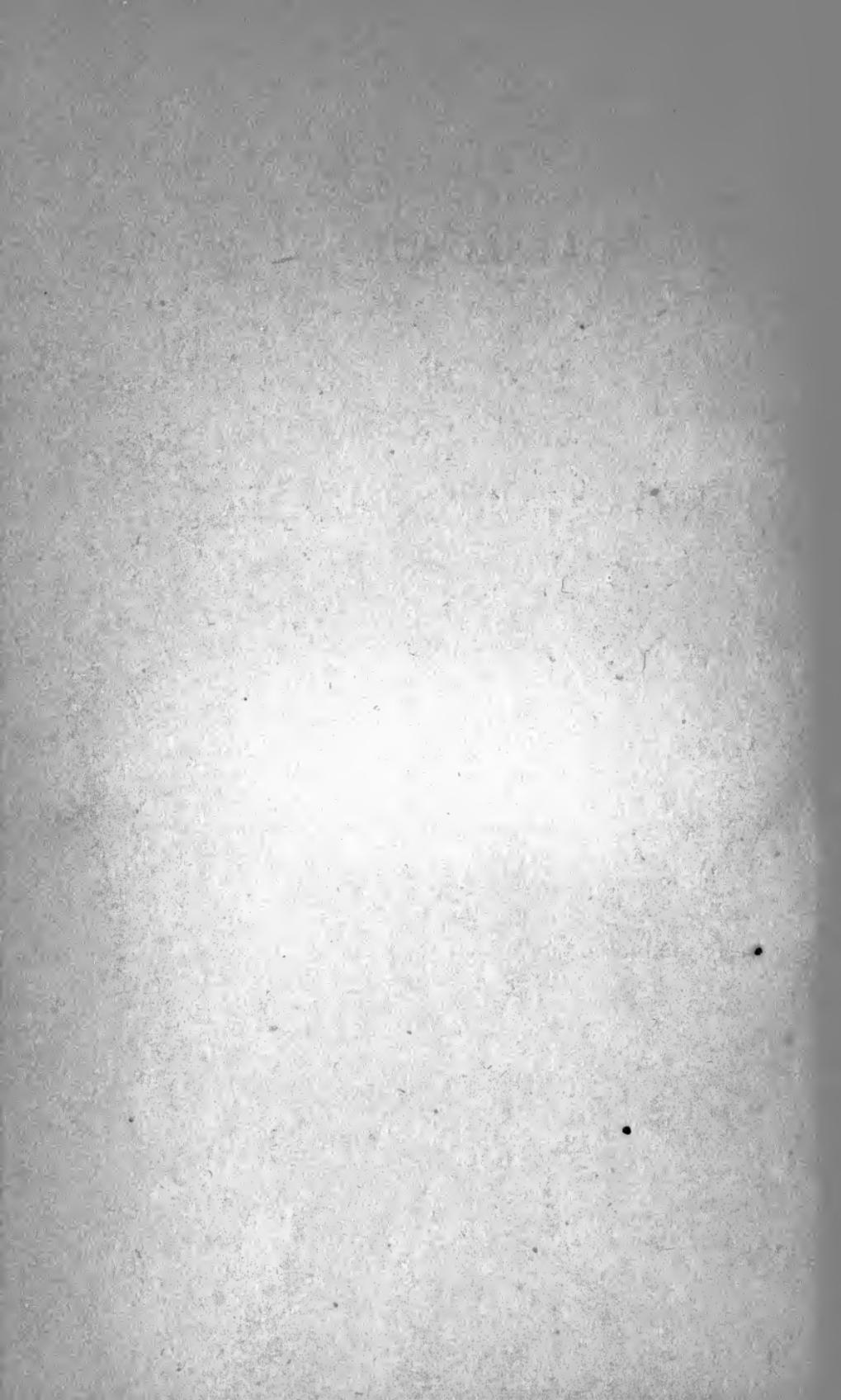
{— IN —}

Lorenzo G. Yates' Collection,

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FERNS OF NORTH AMERICA

— IN —

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ACROSTICHUM.

| | | |
|-------------------------|-----------------|-----------------------------|
| Acrostichum aureum..... | <i>L.</i> | Florida and Trinidad, W. I. |
|-------------------------|-----------------|-----------------------------|

ADIANTUM.

| | | |
|--------------------------------|--------------------|------------------------------|
| Adiantum capillus-veneris..... | <i>L.</i> | California and Mexico |
| " " crested var.. | | Santa Barbara, Cal. |
| " emarginatum..... | <i>Hook.</i> | California |
| " pedatum..... | <i>L.</i> | Illinois; California; Oregon |
| " tenerum..... | <i>Swtz.</i> | Florida |
| " tricholepis..... | <i>Fee.</i> | |

ASPIDIUM.

| | | |
|--|---------------------|------------|
| Aspidium acrostichoides..... | <i>Swtz.</i> | Illinois |
| " " var. incisum.. <i>Gray</i> | | Virginia |
| " aculeatum | <i>Swtz.</i> | California |
| " " var. angulare.. <i>Braun</i> | | " " |
| " " <i>braunii</i> .. <i>Dell</i> | | Vermont |
| " " <i>lobatum</i> .. | | California |
| " " <i>californicum</i> | | " " |
| " " between <i>californicum</i> and typical... <i>Cal.</i> | | |
| " " <i>scopulinum</i> .. <i>Eaton</i> | | California |
| " <i>bootii</i> | <i>Tuckm.</i> | Illinois |
| " <i>conterminum</i> , var. <i>strigosum</i> .. <i>Eaton</i> | | |
| " <i>cristatum</i> | <i>Swtz.</i> | Ohio |

| | | |
|---|--------------------|---------------------------|
| <i>Aspidium cristatum</i> , var. <i>clintonianum</i> .. | <i>Eaton</i> | New York |
| " <i>felix-mas</i> | <i>Swtz</i> | Utah |
| " <i>fioridanum</i> | <i>Eaton</i> | Florida |
| " <i>fragrans</i> | <i>Swtz</i> | Vermont |
| " <i>goldieanum</i> | <i>Hook</i> | Ohio |
| " <i>juglandifolium</i> | <i>Kze</i> | Arizona |
| " <i>lonchitis</i> | <i>Swtz</i> | Canada |
| " <i>marginale</i> | <i>Swtz</i> ... | New Brunswick; Mass. |
| " <i>mohrioides</i> | <i>Borg</i> | California |
| " var. <i>scopulorum</i> | | " |
| " <i>munitum</i> | <i>Kaulf</i> | " |
| " " var. <i>imbricans</i> .. | <i>Eaton</i> .. | California and Oregon |
| " " <i>inciso-serratum</i> .. | | California |
| " " <i>nudatum</i> .. | | " |
| " <i>nevadense</i> | <i>Eaton</i> | California |
| " <i>noveboracense</i> | <i>Swtz</i> | Ohio |
| " <i>oreopteris</i> | <i>Swtz</i> | |
| " <i>patens</i> | <i>Swtz</i> .. | Santa Barbara, California |
| " <i>patulum</i> | | Arizona |
| " <i>rigidum</i> | <i>Swtz</i> | |
| " " var. <i>argutum</i> .. | <i>Eaton</i> | California |
| " <i>spinulosum</i> | <i>Swtz</i> | New Brunswick |
| " <i>spinulosum</i> , var. <i>dilatatum</i> .. | <i>Hornm</i> | Oregon |
| " " <i>intermedium</i> .. | <i>Eaton</i> | Mexico |
| " <i>thelypteris</i> | <i>Swtz</i> | New York |
| " <i>trifoliatum</i> | <i>Swtz</i> | Florida |
| " <i>unitum</i> , var. <i>glabrum</i> .. | <i>Mett</i> | |

ASPLENIUM.

| | | |
|--|--------------------|------------------------|
| <i>Asplenium angustifolium</i> | <i>Mich</i> | Illinois |
| " <i>bradleyi</i> | <i>Eaton</i> | |
| " <i>cicutarium</i> | <i>Swtz</i> | Mexico |
| " <i>dentatum</i> | <i>L</i> | Florida |
| " <i>ebeneum</i> | <i>Ait</i> | New York |
| " " var. <i>proliferum</i> .. | <i>Eaton</i> | |
| " <i>ebenoides</i> | <i>Scott</i> , | |
| " <i>felix-fœmina</i> | <i>Bernh</i> .. | Arizona and California |
| " " var. <i>angustum</i> .. | <i>Eaton</i> | " |
| " " " <i>cristatum</i> .. | | " |
| " " " <i>cyclosorum</i> .. | | " |

| | |
|--|-----------------------|
| <i>Asplenium felix-femina</i> , var. <i>exile</i> .. | California |
| " <i>firmum</i> <i>Kze</i> | Florida |
| " <i>glenniei</i> <i>Baker</i> | Arizona |
| " <i>monanthemum</i> <i>L</i> | Arizona |
| " <i>montanum</i> <i>Willd</i> | Alabama |
| " <i>parvulum</i> <i>M. and G</i> | Arizona |
| " <i>pinnatifidum</i> <i>Nutt</i> | Alabama |
| " <i>rhizophyllum</i> <i>Kze</i> | |
| " var. <i>myriophyllum</i> .. <i>Mett</i> | Florida |
| " <i>rutamuraria</i> <i>L</i> | Ohio |
| " <i>septentrionale</i> <i>Hoffm</i> | Arizona |
| " <i>serratum</i> <i>L</i> | |
| " <i>thelypteroides</i> <i>Mich</i> | New Brunswick |
| " <i>trichomanes</i> <i>L</i> | New York and Illinois |
| " " var. <i>incisum</i> .. <i>Moore</i> | California |
| " <i>viride</i> | Vermont |

ANEMIA.

| | | |
|----------------------------------|--------------------|---------|
| <i>Anemia adiantifolia</i> | <i>Swtz</i> | Florida |
| " <i>mexicana</i> | <i>Klotz</i> | |

BLECHNUM.

| | |
|----------------------------------|-------------------|
| <i>Blechnum serrulatum</i> | <i>Rich</i> |
|----------------------------------|-------------------|

BOTRYCHIUM.

| | |
|--|--------------------------------------|
| <i>Botrychium boreale</i> | <i>Milde</i> |
| " <i>lanceolatum</i> | <i>Ang</i> |
| " <i>lunaria</i> | <i>Swtz</i> |
| " <i>matricariæfolium</i> .. <i>A. Br</i> | New York |
| " <i>simplex</i> | <i>Hitch</i> |
| " <i>ternatum</i> | <i>Swtz</i> |
| " var. <i>dissectum</i> .. <i>Milde</i> | " " |
| " " <i>lunarioides</i> .. <i>Milde</i> | Ohio |
| " " <i>obliquum</i> .. <i>Milde</i> | New York |
| " <i>virginianum</i> | <i>Swtz</i> ...Illinois and New York |

CAMPOTOSORUS.

| | | |
|--------------------------------------|-------------------|----------|
| <i>Camptosorus rizophyllus</i> | <i>Link</i> | Illinois |
|--------------------------------------|-------------------|----------|

CERATOPTERIS.

| | | |
|---|---------------------|---------|
| <i>Ceratopteris thalictroides</i> | <i>Brongn</i> | Florida |
|---|---------------------|---------|

CHEILANTHES.

| | | |
|---------------------------|--------------------|-----------------------|
| Cheilanthes argentea..... | <i>Hook</i> | |
| " alabamensis..... | <i>Kze</i> | Arizona and Tennessee |
| " californica. | <i>Mett</i> | California |
| " clevelandii..... | <i>Eaton</i> | " |
| " cooperæ..... | <i>Eaton</i> | " |
| " eatoni..... | <i>Bkr</i> | Arizona |
| " fendleri..... | <i>Hook</i> | Mexico and California |
| " gracillima..... | <i>Eaton</i> | " |
| " lanuginosa..... | <i>Nutt</i> | Arizona |
| " lendigera | <i>Swtz</i> | " |
| " leucopoda..... | <i>Link</i> | |
| " lindheimeri..... | <i>Hook</i> | Arizona |
| " microphylla..... | <i>Swtz</i> | Florida |
| " myriophylla..... | <i>Desv</i> | Arizona |
| " parishii..... | <i>Dav</i> | |
| " scariosa..... | <i>Baker</i> | Arizona |
| " tomentosa..... | <i>Link</i> | " |
| " " var. eatoni.. | | " |
| " " " | | " |
| " vestita..... | <i>Swtz</i> | Colorado |
| " wrightii..... | <i>Hook</i> | Arizona |

CRYPTOGRAMME.

| | |
|---|------------|
| Cryptogramme acrostichoides... <i>R. Br</i> | California |
|---|------------|

CYSTOPTERIS.

| | | |
|----------------------------|--------------------|---------------------|
| Cystopteris bulbifera..... | <i>Bernh</i> | Canada |
| " fragilis..... | <i>Bernh</i> | Ohio and California |
| " montana..... | <i>Bernh</i> | British America |

DICKSONIA.

| | | |
|-----------------------------|--------------------|---------------|
| Dicksonia pilosiuscula..... | <i>Willd</i> | New Brunswick |
|-----------------------------|--------------------|---------------|

GYMNOGRAMME.

| | | |
|--------------------------|--------------------|----------------|
| Gymnogramme hispida..... | <i>Mett</i> | Arizona |
| " triangularis.... | <i>Kaulf</i> | California |
| " " var. argentea.. | | Yosemite, Cal. |

LOMARIA.

- Lomaria spicant* *Desv.* Oregon
 " " var. *serratum* *Woll.*

LYGODIUM.

- Lygodium palmatum* *Swtz.* Massachusetts

NEPHROLEPIS.

- Nephrolepis exaltata* *Schott* Florida

NOTHOLÆNA.

- Notholæna aschenborniana* *Klotz*
- " *californica* *Eaton* }
 " var. *cretacea* *Dav.* } California and Arizona
- " *candida* *Hook.*
- " *dealbata* *Kze.* Arizona
- " *fendleri* *Kze.* Colorado
- " *ferruginea* *Hook.* Arizona
- " " var. *parva* *Jam.* "
- " *grayi* *Daven.* "
- " *hookeri* *Eaton* "
- " *lemonni* *Eaton* "
- " *newberryi* *Eaton* California
- " *nivea* *Desv.* Arizona
- " " var. *dealbata* *Kze.* Arkansas
- " *parryi* *Eaton* California
- " *sinuata* *Kaulf.*
- " " var. *angustata* *Lem.* Arizona
- " " " *brevitula* *Lem.* "
- " " " *crenata* "
- " " " *platyphylla* "
- " *tenera* *Gillies.* Santa Barbara, California

ONOCLEA.

- Onoclea sensibilis* *L.* New York
- " " var. *obtusiloba* *Torr.* " "
- " *struthiopteris* *Hoffm.* " "

OPHIOGLOSSUM."

- Ophioglossum crotalophoroides* *Walt.*

| | | |
|-----------------------------|--------------|---------------|
| Ophioglossum nudicaule..... | <i>L.</i> | |
| " " palmatum..... | <i>Plum.</i> | |
| " " vulgatum..... | <i>L.</i> | New Hampshire |

OSMUNDA.

| | | |
|-------------------------|-----------|---------------|
| Osmunda cinnamomea..... | <i>L.</i> | New York |
| " " var. frondosa.. | | Massachusetts |
| " claytoniana..... | <i>L.</i> | New York |
| " regalis.. | <i>L.</i> | " " |

PELLÆA.

| | | |
|------------------------------|------------------|------------------------|
| Pellæa andromedæfolia..... | <i>Fee.</i> | California |
| " " red var... | | " |
| " aspera..... | <i>Baker.</i> | |
| " atropurpurea..... | <i>Link.</i> | New York |
| " brachyptera..... | <i>Baker.</i> | California |
| " breweri..... | <i>Eaton.</i> | " |
| " bridgesii..... | <i>Hook.</i> | " |
| " cordata..... | <i>J. Smith.</i> | Arizona |
| " densa..... | <i>Hook.</i> | California |
| " flexuosa | <i>Link.</i> | |
| " gracilis..... | <i>Hook.</i> | New York |
| " marginata..... | <i>Baker.</i> | California and Arizona |
| " ornithopus..... | <i>Hook.</i> | California |
| " " var. brachyptera.. | | " |
| " pulchella..... | <i>Fee.</i> | Hawaiian Is |
| " ternifolia..... | <i>Link.</i> | |
| " wrightiana..... | <i>Hook.</i> | Arizona |
| " " var. longimucronata..... | | Arizona |
| " " " californica.. | | California |
| " " " compacta.. | | |

PHEGOPTERIS.

| | | |
|----------------------------|--------------|---------------|
| Phegopteris alpestris..... | <i>Mett.</i> | California |
| " dryopteris..... | <i>Fee.</i> | New Hampshire |
| " " var. robertianum..... | | |
| " hexagonoptera..... | <i>Fee.</i> | Ohio |
| " polypodioides..... | <i>Fee.</i> | New York |

POLYPODIUM.

| | | |
|---------------------------|------------------------|----------------------|
| Polypodium aureum..... | <i>L.</i> | Florida |
| " californicum..... | <i>Kaulf.</i> | California |
| " " var. intermedium..... | <i>Eaton.</i> | " |
| " falcatum..... | <i>Kell.</i> | Oregon |
| " incanum..... | <i>Swtz.</i> | |
| " pectinatum..... | <i>L.</i> | Florida |
| " phyllitidis..... | <i>L.</i> | Florida |
| " plumula..... | <i>H. B. K.</i> | Florida |
| " scouleri..... | <i>H. and G.</i> | California |
| " swartzii..... | <i>Baker.</i> | Florida |
| " thysanolepis..... | <i>A. Br.</i> | Arizona |
| " vulgare..... | <i>L.</i> | Illinois and Arizona |
| " " var. occidentale.. | | California |

PTERIS.

| | | |
|------------------------|--------------------|---------------|
| Pteris aquilina..... | <i>L.</i> | New Brunswick |
| " " var. caudata | <i>Hook.</i> | Florida |
| " " " lanuginosa..... | <i>Bong.</i> | California |
| " cretica..... | <i>L.</i> | Florida |
| " longifolia | <i>L.</i> | " |
| " serrulata..... | <i>L.</i> | " |

SCHIZÆA.

| | | |
|----------------------|---------------------|------------|
| Schizæa pusilla..... | <i>Pursh.</i> | New Jersey |
|----------------------|---------------------|------------|

SCOLOPENDRIUM.

| | | |
|----------------------------|------------------|----------|
| Scolopendrium vulgare..... | <i>Sm.</i> | New York |
|----------------------------|------------------|----------|

TAENITES.

| | | |
|-------------------------|---------------------|---------|
| Tænites lanceolata..... | <i>R. Br.</i> | Florida |
|-------------------------|---------------------|---------|

TRICHOMANES.

| | | |
|---------------------------|--------------------|---------|
| Trichomanes petersii..... | <i>Gray.</i> | Alabama |
| " radicans..... | <i>Swtz.</i> | Alabama |

VITTARIA.

| | | |
|------------------------|------------------|---------|
| Vittaria lineata | <i>Sm.</i> | Florida |
|------------------------|------------------|---------|

WOODWARDIA.

| | | |
|---|-----------------|------------|
| <i>Woodwardia angustifolia</i> | <i>Sm</i> | New Jersey |
| “ <i>radicans</i> , var. <i>americana</i> | <i>Sm</i> | California |
| “ <i>virginica</i> | <i>Sm</i> | Indiana |

WOODSIA.

| | | |
|-------------------------------|----------------------------------|---------------|
| <i>Woodsia glabella</i> | <i>R. Br</i> | Vermont |
| “ <i>hyperborea</i> | <i>R. Br</i> | |
| “ <i>ilvensis</i> | <i>R. Br</i> | Massachusetts |
| “ <i>mexicana</i> | <i>Fee</i> | Arizona |
| “ <i>obtusa</i> | <i>Torr.</i> Virginia; Illinois; | “ |
| “ <i>oregana</i> | <i>Eaton</i> | |
| “ <i>scopulina</i> | <i>Eaton</i> | Colorado |

ADDENDA.

Cheilanthes Pringlei, *Davenp.*; Bull. Torr. Bot. Club, vol. x, p. 61, t. 34; Arizona.

Cheilanthes viscida, *Davenp.*; Bull. Torr. Bot. Club, vol. vi, p. 192.; California.

Ophioglossum Californicum, *Prantl.*; Jahrb. Berl. Bot. Gard., vol. III, p. 315; California.

Ophioglossum Engelmanni, *Prantl.*; Jahrb. Berl. Bot. Gard.; vol. III, p. 318; Southern United States.

